

Maternal urine pregnanetriol

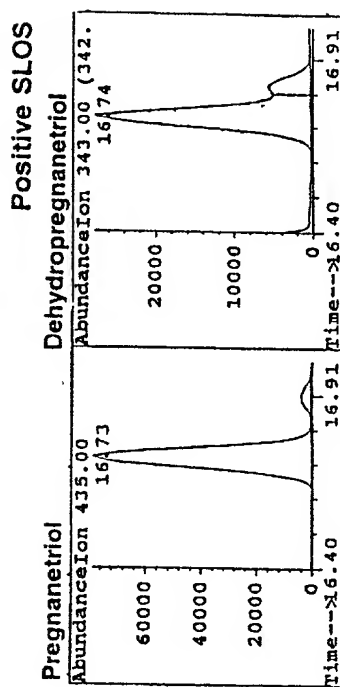
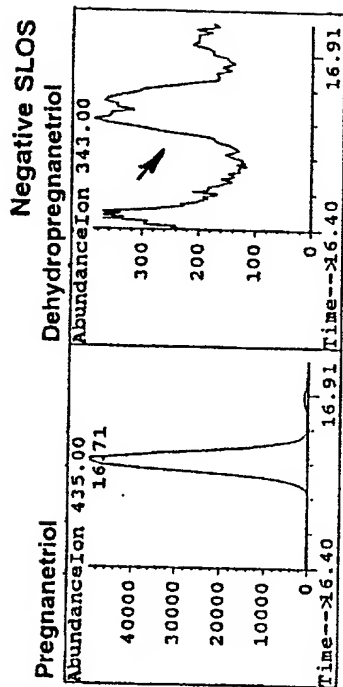


Figure 1

FIGURE 2

Steroid Urine Concentrations ($\mu\text{g/g}$ creatinine), Serum uE_3 and Diagnostic Ratios in Patients At Risk for SLOS

	P1 ^a	P2	P3	P4	P5	P1- P5			N1	N2	N3	N4	N5	N6	N7	N8	N1- N8 MEAN
						MEAN	P1	P5									
DHC/Chol ^c (%)	83.8	176.2	54.0	22.5	130	93.3	0.01	.006	.0012	.006	.001	.23	.021	.002	.02	.02	0.06
uE_3^b (MOM)	0.23	0.19	NM ^d	NM	0.14	0.19	1.09	0.79	0.83	1.59	1.07	1.17	1.76	1.12	1.12	1.18	1.18
Gestational Age (weeks)	20	31	20	12	18	20	16	15	15	17	17	17	15	16	16	16	16
Pregnanediol (PD)	4485	10545	21014	5981	7903	9985	3882	3014	6319	6892	15757	5858	5469	12069	7407	7407	7407
Pregnanetriol (PT)	460	444	838	583	398	545	388	414	638	778	1666	873	1137	1419	914	914	914
7-DHPT	470	160	513	21.5	340	301	<1.0	<2.7	<1.9	<3.1	<4.7	<4.4	<2.8	<3.0	<3.0	<3.0	<3.0
Oestriol (E_3)	142	485	198	67.5	285	235	1561	426	1274	3227	8466	5168	928	8397	3680	3680	3680
8-DHE ₃	196	779	194	4.5	325	300	<2.2	<5.0	<1.0	<1.1	<10.6	<3.4	<4.0	<8.0	<4.6	<4.6	<4.6
8-DHE ₃ / E_3	1.38	0.73	0.98	0.07	1.14	0.86	<.001	<.01	<.008	<.0005	<.003	<.0007	<.004	<.001	<.004	<.005	<.005
7-DHPT/PT	1.02	0.35	0.59	0.04	0.82	0.36	<.001	<.01	<.003	<.005	<.003	<.007	<.003	<.002	<.002	<.005	<.005
E_3 /PD (%)	6.3	12.0	1.6	2.8	8.0	6.2	40.2	14.1	20.1	47.0	53.7	88.2	17.0	69.6	43.7	43.7	43.7
8-DHE ₃ + E_3 /PD (%)	13.0	21.0	3.3	3.0	16.8	11.4	40.2	14.1	20.1	47.0	53.7	88.2	17.0	69.6	43.7	43.7	43.7

Notes: ^aPatients, P = positive for SLOS, N = negative for SLOS.

^bunconjugated serum oestriol reported as multiples of median (MOM).

^cDHC = 7-dehydrocholesterol. All values from amniotic fluid analysis with exception of P4, N3 and N7 which were from chorionic villus cells.

^dNM = not measured.

FIGURE 3

Free and Conjugated Pregnanes and Oestriols in Serum (ng/ml)						
	P2 ¹	N2	N3	N4	N5	N1-N6 MEAN
Pregnanediol (PD)	310	119	74	178	109	119
Pregnanetriol (PT)	25	39	15	30	44	31
7-DHPT	3.4	≤0.1	≤0.05	≤0.1	≤0.15	≤0.17
Estriol (E ₃)	26	66	29	13	6.0	26
8-DHE ₃	5.3	≤.66	≤.64	≤.11	≤.17	≤0.34
7-DHPT/PT	0.13	≤.003	≤.01	≤.003	≤.004	≤0.008
8-DHE ₃ /E ₃	0.20	≤.01	≤.02	≤.008	≤.03	≤0.014

Notes: ¹P = positive for SLOS; N = negative for SLOS.

Figure 4

